FANTEC SRC-2180X03

2U STORAGE RACKMOUNT CHASSIS
8x 3.5" SATA/SAS BACKPLANE SLOTS

FANTEC SRC-SERIE

STORAGE RACKMOUNT CHASSIS

I. Specification:

Support SAS interface: for 3G backward compatibility.

Support SATA interface: for 3G backward compatibility.

Support hard disk 29pin female SAS and SATA II compatibility.

Support 4 pcs 7 pin lock male blue connector for host card SAS primary port or SATA II input port.

Support 4 pcs 7 pin lock male black connector for host card SAS secondary port.

Support 4 port hard disk inrush current control and mosfet IC for Hot-swapping.

Support hard disk DC +12V, +5V and +3.3V.

Support 4 pcs 0603 SMD blue LED light on for hard disk insert.

Support 4 pcs 0603 SMD red LED blink for hard disk access.

(SATA ready is high active, and SAS ready is low active)

Support 2 pcs power 180 deg big 4-pin D-type connectors.

Support 4 pcs external FAN speed monitoring and FAN failure buzzer alarm. (Buzzer on board).

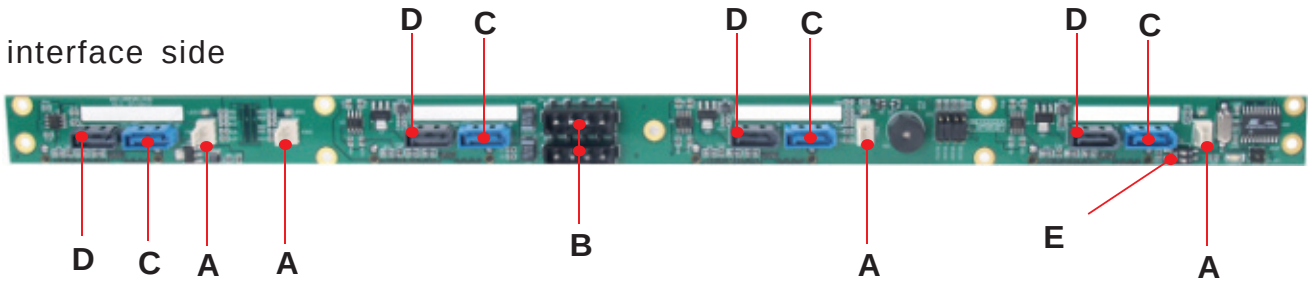
Support FAN fail SMD LED active shown and external pin header.

Support FAN fail buzzer alarm external pin header.

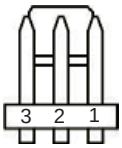
Support external 2X2 pin header for FAN fail LED and mute switch.

Minimum Fan Speed Detection: The FAN IC fail frequency is below 40 Hz, which corresponds to a fan speed of approximately 1200 rpm. The fan remains powered during a locked rotor or an under-speed failure condition.

2. Pin Assignment:

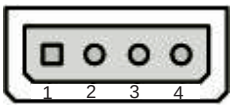


A Fan1, Fan2, Fan3, Fan4 3 pin wafer for FAN monitor pin out



3 : Tech 2 : +12V 1 : GND

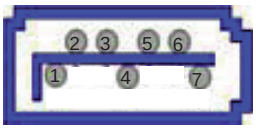
B JP1,JP2 big 4P pin out



1 VDD +12V 2 GND 3 GND 4 VCC +5V

C J5 ,J7 ,J9 and J11 SAS primary connector Pin Output
7 pin SATA II blue connector.

For HBA SAS primary port or SATA II 3G host card.

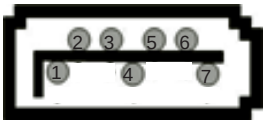


1 GND 2 RP+ 3 RP- 4 GND 5 TP- 6 TP+ 7 GND

D J6 ,J8 ,J10 and J12 SAS secondary connector Pin Output

7 pin SATA II black connector

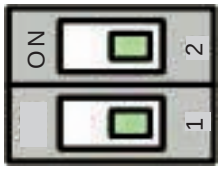
Only HBA SAS secondary port connector to host card



1 GND 2 RS+ 3 RS- 4 GND

5 TS- 6 TS+ 7 GND

E S1 DIP Switch pin out



Switch	SW1	Sw2
ON	55 C°	Mute enable
OFF	60 C°	Mute disable

2-1. Pin Assignment:

interface side

F JP4 External 2 X 2 Pin out

3 Mout switch+ 4 GND

For fail buzzer alarm mute insert pin 3-4.

1 Fan fail LED+ 2 Fan fail LED-

For FAN fail LED insert pin 1-2.

G JP3 4 X 4 pin 2.54mm 180deg header pin out.

13	9	5	1	1
14	10	6	2	2
15	11	7	3	3
16	12	8	4	4
ACCES 4	ACCES 3	ACCES 2	ACCES 1	

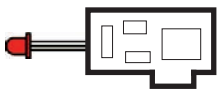
13 Card acces LED4+	9 Card acces LED3+	5 Card acces LED2+	1 Card acces LED1+
14 Card acces LED4-	10 Card acces LED3-	6 Card acces LED2-	2 Card acces LED1-
15 HDD4 p11 pin	11 HDD4 p11 pin	7 HDD4 p11 pin	3 HDD4 p11 pin
16 GND	12 GND	8 GND	4 GND

Default setting is insert short jumper to pin 2-3, 6-7, 10-11, 14-15 for HDD access support.

13	9	5	1
14	10	6	2
15	11	7	3
16	12	8	4

If you need HBA card in put access LED, please remove short jumper, insert pin 1-2, 5-6, 9-10,13-14.

13	9	5	1
14	10	6	2
15	11	7	3
16	12	8	4

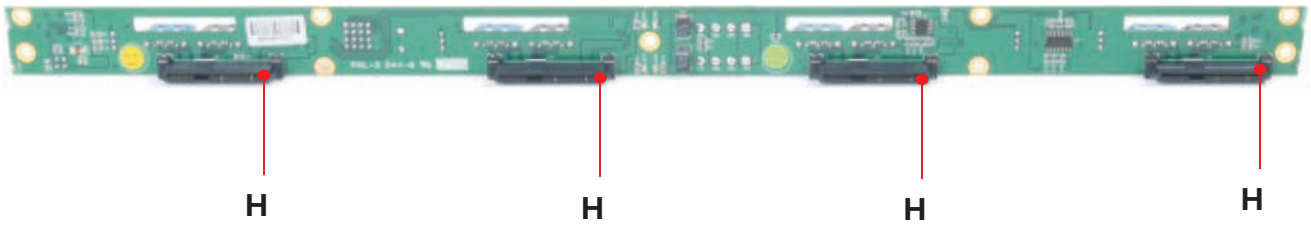


If you need HDD motor spin function, please insert short jumper to pin 3-4, 7-8, 11-12, 15-16

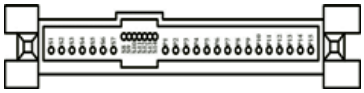
13	9	5	1
14	10	6	2
15	11	7	3
16	12	8	4

2-2. Pin Assignment:

H.D.D side



H J1, J2, J3, J4 2 29pin female SAS and SATA II connector pin out



S1	GND	S2	RP+	S3	RP-	S4	GND	S5	TP-	S6	TP+	S7	GND
S8	GND	S9	RS+	S10	RS-	S11	GND	S12	TS-	S13	TS+	S14	GND
P1	V33	P2	V33	P3	V3C	P4	GND	P5	GND	P6	GND	P7	V5C
P8	V5	P9	V5	P10	GND	P11	LED	P12	V-gate	P13	V12C	P14	V12
P15	V12												

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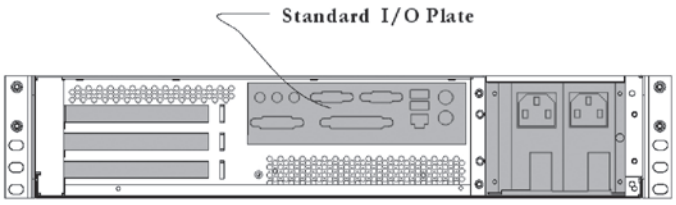
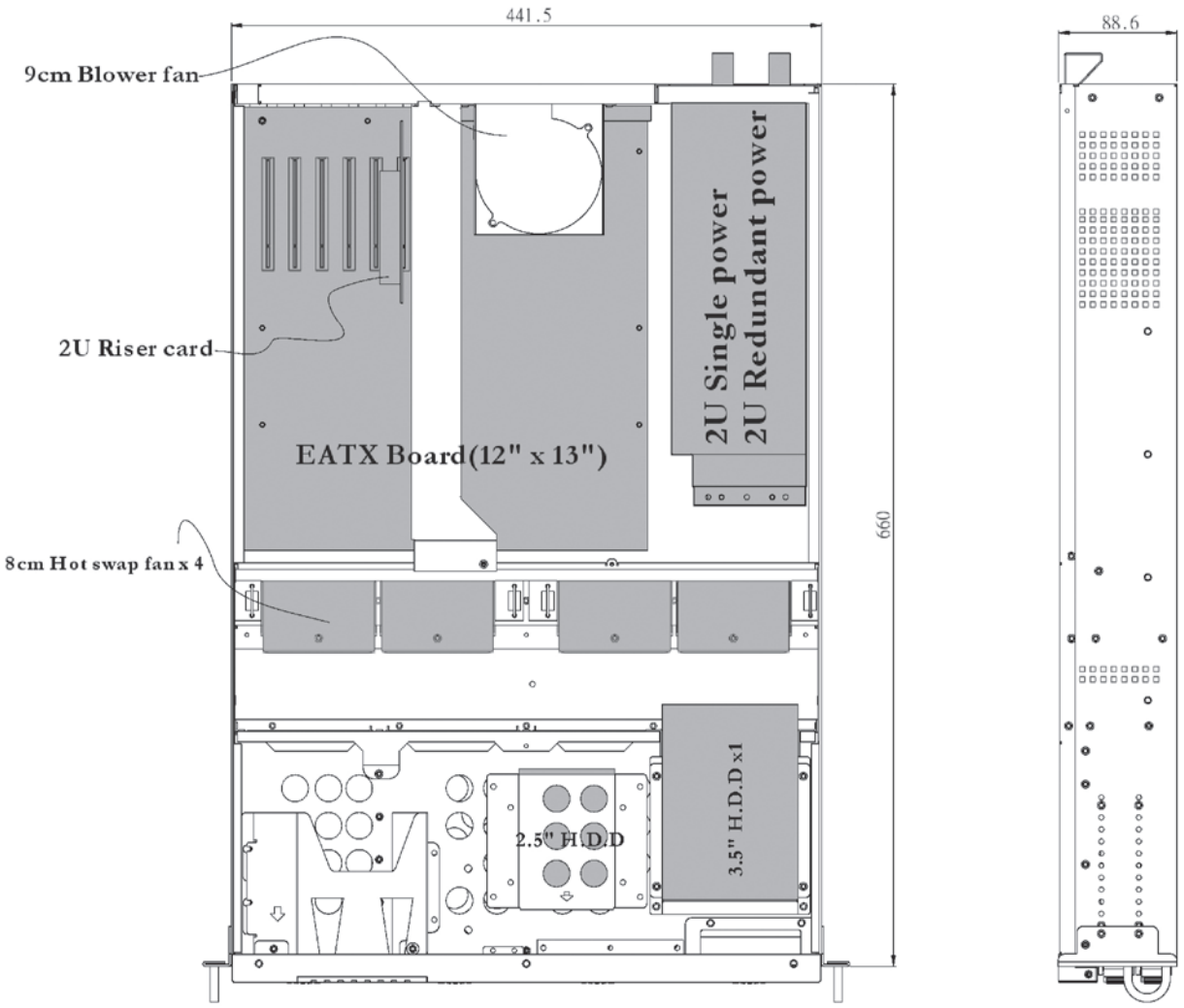
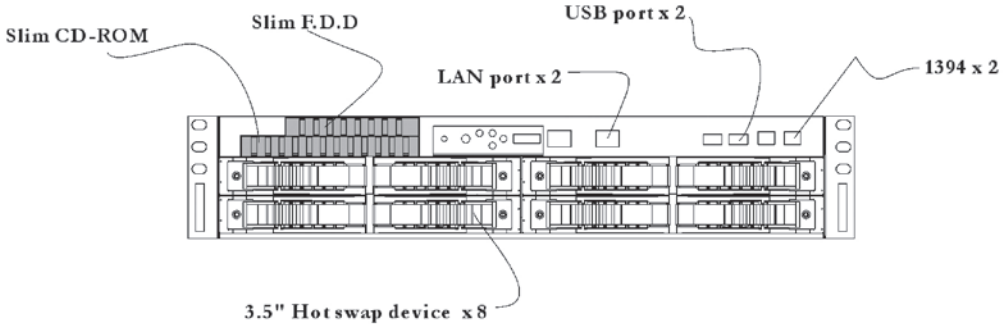
Dimensions
unit : mm







Product details

Model no.:	SRC-2180X 2U 8xSAS&SATA Backplane
Specification:	2U IPC 660mm black aluminium
Drive bays:	open: 8x3,5" SATA/SAS hot swap, 1x5,25" Slim, 1x3,5 Slim" internal: 2x 2,5", 1x 3,5"
Mainboard type:	E-ATX / ATX / M-ATX (12" x 13")
Cooling:	4x 80mm hot-swap fans + 1x 90mm blower fan
Switch:	ON/OFF switch, system & alarm reset
Controls:	LED's for ON/OFF switch and HDD-access
Slot opening:	3 open slots at rear panel
Riser card:	Riser card with 3 PCI slots
Backplane:	8x SATA 3Gbit / SAS / SATA
Speaker:	0,4W built in
Material/ color of chassis:	1,2mm SGCC zinc-coated steel black
Material/ color of front bezel:	anodized aluminium black / blue
Material/ color of handle:	steel / silver
Front connectors:	2x USB connectors 2x Firewire connectors 2x Ethernet RJ45 connectors
Accessories including:	USB connector cable with circuit diagram PCI riser card with 3 PCI slots, 32bit screws
Power supply:	without power supply (optional)
Optional accessories:	sliding rails package: SRC-SR26" Consists of 2x 26" mounting rails
Dimensions (w x d x h):	481 x 660 x 89 mm
Certifications:	FCC, CE, RoHS
Weight / piece (kg):	13
Package (piece / carton):	1
Description:	19" industrial PC chassis for installation in 19" rackmount cabinet. Rugged construction and high-grade processing. Technical details are subject to changes.

Technical details are subject to changes.